

Construction Material

General

Soils are rated as sources for roadfill, topsoil, sand, and gravel. Suitability ratings of good, fair, or poor are given for soils used as a source of roadfill and topsoil. Ratings of probable and improbable are given for sand and gravel. A rating of probable means that on the basis of the available evidence, the source material is likely to be in or below the soil. A rating of improbable means that the source material is unlikely to be in or below the soil. The ratings for sand and gravel do not consider the quality of the source material because quality depends on how the source material is to be used.

Roadfill

Roadfill consists of soil material that is excavated from its original position and used in road embankments elsewhere. The evaluations for roadfill are for low embankments that generally are less than 6 feet in height and are less exacting in design than high embankments such as those along superhighways. The rating is given for the whole soil, from the surface to a depth of about 5 feet, based on the assumption that soil horizons will be mixed in loading, dumping, and spreading. Soils are rated as to the amount of material available for excavation, the ease of excavation, and how well the material performs after it is in place.

Sand

Sand as a construction material is usually defined as particles ranging in size from 0.074 mm (sieve #200) to 4.75 mm (sieve #4) in diameter. Sand is used in great quantities in many kinds of construction. Specifications for each purpose vary widely. The intent of this rating is to show only the probability of finding material in suitable quantity. The suitability of the sand for specific purposes is not evaluated. If the lowest layer of the soil contains sand, the soil is rated as a probable source regardless of thickness. The assumption is that the sand layer below the depth of observation exceeds the minimum thickness.

Gravel

Gravel as a construction material is defined as particles ranging in size from 4.76 mm (sieve #4) to 76 mm (3 inches) in diameter. Gravel is used in great quantities in many kinds of construction. Specifications for each purpose vary widely. The intent of this rating is to show only the probability of finding material in suitable quantity. The suitability of the gravel for specific purposes is not evaluated. If the lowest layer of the soil contains gravel, the soil is rated as a probable source regardless of thickness. The assumption is that the gravel layer below the depth of observation exceeds the minimum thickness.

Topsoil

The term "topsoil" has several meanings. As used here, the term describes soil material used to cover an area so as to improve soil conditions for establishment and maintenance of adapted vegetation. Generally, the upper part of the soil, which is richest in organic matter, is most desirable; however, material excavated from deeper layers is also used. In this rating, the upper 40 inches of soil material is evaluated for use as topsoil. In the borrow area, the material below 40 inches is evaluated for its suitability for plant growth after the upper 40 inches is removed. The soil properties that are used to rate the soil as topsoil are those that affect plant growth, the ease of excavation, loading, and spreading, and those that affect the reclamation of the borrow area.

See the National Soil Survey Handbook, Part 620, for criteria used in rating specific uses

CONSTRUCTION MATERIALS**Aroostook County Southern Part**

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
CgA CARIBOU	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
CgB CARIBOU	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
CgC CARIBOU	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
CgD CARIBOU	Fair: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, slope, small stones.
CgE CARIBOU	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, slope, small stones.
CnA COLTON	Good.	Probable.	Probable.	Poor: area reclaim, small stones, too
CnB COLTON	Good.	Probable.	Probable.	Poor: small stones, too sandy.
CnC COLTON	Good.	Probable.	Probable.	Poor: small stones, too sandy.
CnD COLTON	Fair: slope.	Probable.	Probable.	Poor: slope, small stones, too sandy.

CONSTRUCTION MATERIALS**Aroostook County Southern Part**

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
CnE COLTON	Poor: slope.	Probable.	Probable.	Poor: slope, small stones, too sandy.
CoA CONANT	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
CoB CONANT	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
CoC CONANT	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
DaA DAIGLE	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
DaB DAIGLE	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
DaC DAIGLE	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
GP PITS	Good.	Probable.	Probable.	Poor: area reclaim, small stones, too
Ha HADLEY	Good.	Improbable: excess fines.	Improbable: excess fines.	Good.

CONSTRUCTION MATERIALS**Aroostook County Southern Part**

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
HoA HOWLAND	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
HoB HOWLAND	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
HoC HOWLAND	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
HvB HOWLAND	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
HvC HOWLAND	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
LnB LINNEUS	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
LnC LINNEUS	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
LnD LINNEUS	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, small stones.
MaA MACHIAS	Fair: wetness.	Probable.	Probable.	Poor: area reclaim, small stones, too

CONSTRUCTION MATERIALS**Aroostook County Southern Part**

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
MaB MACHIAS	Fair: wetness.	Probable.	Probable.	Poor: area reclaim, small stones, too
MaC MACHIAS	Fair: wetness.	Probable.	Probable.	Poor: area reclaim, small stones, too
Md MADE LAND	Limitation: variable.	Limitation: variable.	Limitation: variable.	Limitation: variable.
MhB MAPLETON	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, small stones.
MhC MAPLETON	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, small stones.
MhD MAPLETON	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, slope, small stones.
MmC MAPLETON	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, small stones.
MmD MAPLETON	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, slope, small stones.
Mn MIXED ALLUVIAL LAND PD	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: wetness.

CONSTRUCTION MATERIALS

Aroostook County Southern Part

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
Mn				
MIXED ALLUVIAL LAND VPD	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: wetness.
MoA				
MONARDA	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
BURNHAM	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
MoB				
MONARDA	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
BURNHAM	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
MrB				
MONARDA	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
BURNHAM	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
Pa				
PEAT	Poor: wetness.	Improbable: excess humus.	Improbable: excess humus.	Poor: excess humus, wetness.
MUCK	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: excess humus, wetness.

CONSTRUCTION MATERIALS**Aroostook County Southern Part**

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
PeA PERHAM	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
PeB PERHAM	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
PeC PERHAM	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
PeD PERHAM	Fair: slope, wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, slope, small stones.
PgB PLAISTED	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
PgC PLAISTED	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
PgD PLAISTED	Fair: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, small stones.
PrB PLAISTED	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
PrC PLAISTED	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.

CONSTRUCTION MATERIALS

Aroostook County Southern Part

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
PrD				
PLAISTED	Fair: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, small stones.
PrE				
PLAISTED	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, small stones.
PvB				
PLAISTED	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
HOWLAND				
HOWLAND	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
PvC				
PLAISTED	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
HOWLAND				
HOWLAND	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
RaA				
RED HOOK	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
ATHERTON				
ATHERTON	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
RaB				
RED HOOK	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,

CONSTRUCTION MATERIALS

Aroostook County Southern Part

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
RaB				
ATHERTON	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
SgA				
STETSON	Good.	Probable.	Probable.	Poor: area reclaim, small stones.
SgB				
STETSON	Good.	Probable.	Probable.	Poor: area reclaim, small stones.
ThB				
THORNDIKE	Poor: depth to rock.	Improbable: thin layer.	Improbable: thin layer.	Poor: depth to rock, small stones.
ThC				
THORNDIKE	Poor: depth to rock.	Improbable: thin layer.	Improbable: thin layer.	Poor: depth to rock, small stones.
ThD				
THORNDIKE	Poor: depth to rock.	Improbable: thin layer.	Improbable: thin layer.	Poor: depth to rock, slope, small stones.
ThE				
THORNDIKE	Poor: depth to rock, slope.	Improbable: thin layer.	Improbable: thin layer.	Poor: depth to rock, slope, small stones.
TkB				
THORNDIKE	Poor: depth to rock.	Improbable: thin layer.	Improbable: thin layer.	Poor: depth to rock, small stones.
TkC				
THORNDIKE	Poor: depth to rock.	Improbable: thin layer.	Improbable: thin layer.	Poor: depth to rock, small stones.

CONSTRUCTION MATERIALS**Aroostook County Southern Part**

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
TkD THORNDIKE	Poor: depth to rock.	Improbable: thin layer.	Improbable: thin layer.	Poor: depth to rock, slope, small stones.
TkE THORNDIKE	Poor: depth to rock, slope.	Improbable: thin layer.	Improbable: thin layer.	Poor: depth to rock, slope, small stones.
TsB THORNDIKE	Poor: depth to rock.	Improbable: thin layer.	Improbable: thin layer.	Poor: depth to rock, small stones.
HOWLAND	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
TsC THORNDIKE	Poor: depth to rock.	Improbable: thin layer.	Improbable: thin layer.	Poor: depth to rock, small stones.
HOWLAND	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
Wn WINOOSKI	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Fair: too sandy.